

75th Air Base Wing



Effective Data Stewarding Measures in Support of EESOH-MIS

Steve Rasmussen
Hill Air Force Base (AFB)
Air Quality Program Manager
75 CEG/CEVC
(801) 777-0359
Steve.Rasmussen@hill.af.mil

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE JUN 2010		2. REPORT TYPE		3. DATES COVERED 00-00-2010 to 00-00-2010	
4. TITLE AND SUBTITLE Effective Data Stewarding Measures in Support of EESOH-MIS				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) 75th Air Base Wing, 75 CEG/CEVC, Hill AFB, UT, 84053				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 14-17 June 2010 in Denver, CO.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 15	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



Outline

75TH AIR BASE WING

1. Purpose of EESOH-MIS Data Stewarding
2. What Is EESOH-MIS?
3. About EESOH-MIS Data Stewarding
4. Benefits of Data Stewarding
5. Lessons Learned—Efficiency
6. Summary



Purpose of EESOH-MIS Data Stewarding



75TH AIR BASE WING

- **To provide accurate and accessible product hazard and chemical data to the Air Force**
 - **Centrally managed and funded**
 - **Controlled repeatable data management processes**
 - **Focused on specific needs of Environmental, Occupational Health, and Safety compliance needs (in addition to worker right-to-know)**
 - **Low cost**



What Is EESOH-MIS?

75TH AIR BASE WING

- **The Enterprise Environmental, Safety, and Occupational Health – Management Information System (EESOH-MIS):**
 - **A web-based system to manage hazmat, hazwaste, and other environmental compliance data**
 - **In use at 62 AF installations**
 - **Helps installations meet reporting requirements through effective data management**



What Is EESOH-MIS?

75TH AIR BASE WING

- **EESOH-MIS provides:**
 - **Accurate material product and chemical hazard data**
 - **Scanned images of Material Safety Data Sheets (MSDSs) to be available for Emergency (Hazmat or Spill) Response - Fire Dept/Base Spill Team**
 - **Data available by process to support air permit compliance/conditions, waste characterization, and other compliance reporting requirements**
 - **Accurate data for environmental compliance calculations and reporting and to export to other systems via web intelligence services**
- **All supported by The Data Stewarding Function!**



About EESOH-MIS Data Stewarding



75TH AIR BASE WING

- **Product Hazard Data (PHD) stewards:**
 - **A group of contractors at Hill AFB who administer the data in EESOH-MIS**
 - **Experts in hazmat management, environmental reporting, occupational health requirements, and logistics**



About EESOH-MIS Data Stewarding



75TH AIR BASE WING

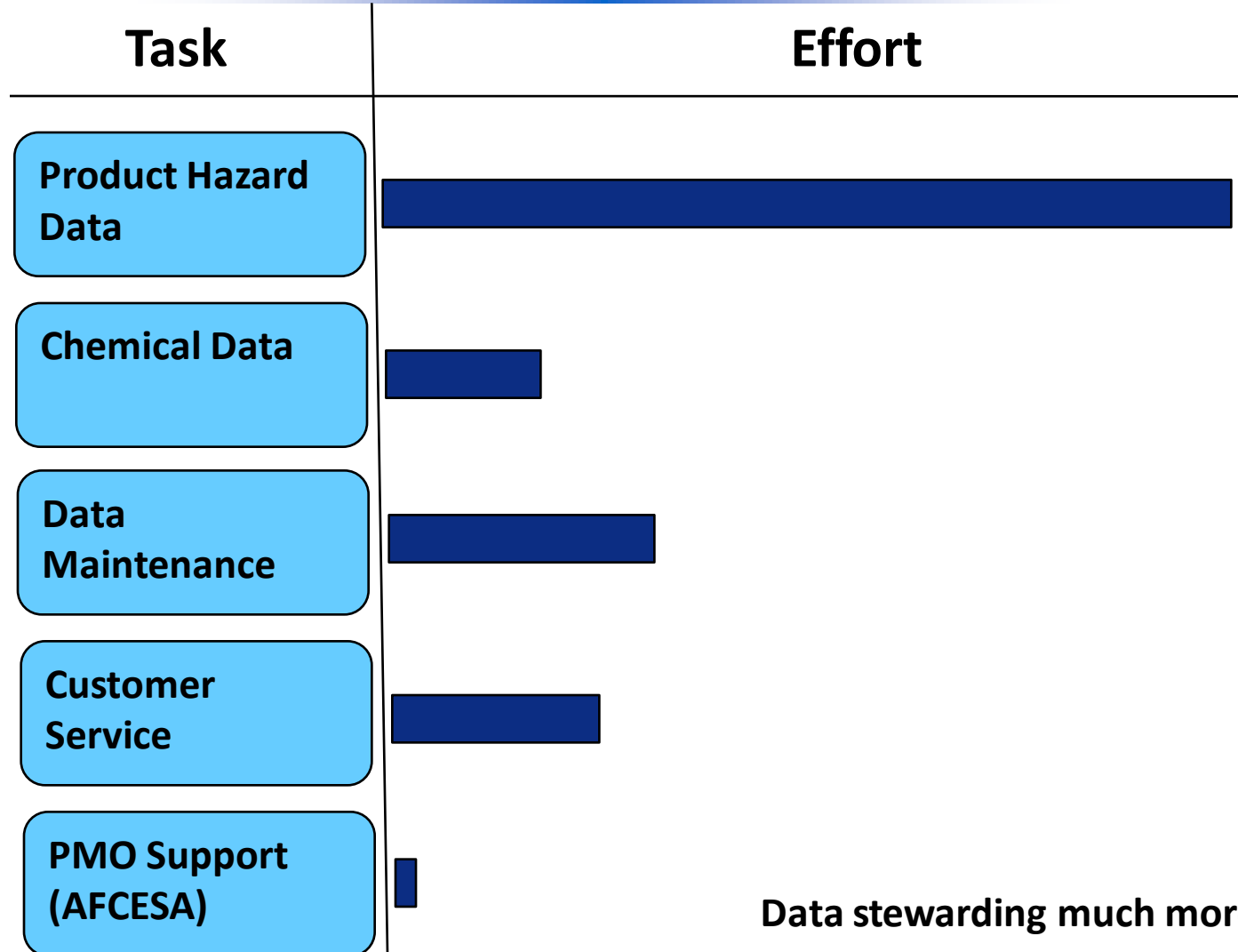
- **Why data steward at Hill AFB?:**
 - **Large installation with vested interest in data quality:**
 - Hill AFB is the largest hazmat user in AF
 - Hill AFB must have the data to comply with air, waste, and EPCRA regulations
- **Primary beta site for EESOH-MIS (barcoding)**
- **Experienced ESOH data staff**
- **Local contractor pool with extensive MSDS/chemical knowledge**
- **Available space and Information Technology (IT) infrastructure**



About EESOH-MIS Data Stewarding



75TH AIR BASE WING



Data stewarding much more than MSDSs



About EESOH-MIS Data Stewarding



75TH AIR BASE WING

- **PHD information includes:**
 - **Material data:**
 - Stock number/logistics data
 - **Product data:**
 - Manufacturer specific data
 - **MSDS/Chemical data:**
 - Material specific data
 - **Value added research and calculations supporting RCRA, Tier II, CAA, and Title V reporting requirements**



About EESOH-MIS Data Stewarding



75TH AIR BASE WING

- **Data maintenance tasks include:**
 - **Updating data to support software releases**
 - **Updating migrated data as needed**
 - **Coordinating scripts with the Help Desk as needed**
 - **Supporting business process enhancements**



About EESOH-MIS Data Stewarding



75TH AIR BASE WING

- **Customer support tasks include:**
 - **Addressing phone calls and emails requesting support for:**
 - **Hazmat operations**
 - **MSDS information**
 - **EESOH-MIS shared data and general functionality**
 - **Container Unit Package / Supply Unit Issue guidance**
 - **Troubleshooting EESOH-MIS errors**



Benefits of Data Stewarding

75TH AIR BASE WING

■ Efficiency:

■ Eliminates duplication of efforts:

- One team uploading information for ALL installations

■ Data consistency:

■ Centrally-controlled data entry

■ Standardized business rules

■ Cost effective:

- AF spent ~ \$15M/yr on hazmat related data entry before EESOH-MIS
- AF spending < \$2M/yr on EESOH-MIS data entry



Lessons Learned--Efficiency



75TH AIR BASE WING

- **A centralized data stewarding function improves efficiency by:**
 - **Eliminating duplication of efforts (i.e. multiple bases loading the same data)**
 - **Providing standardized business practices to improve data consistency/reliability**



Summary

75TH AIR BASE WING

- Hill AFB EESOH-MIS Data Stewards efficiently administer hazmat data for the entire system
- They manage material, product, and MSDS/chemical data; perform valuable data maintenance, and provide customer support to other bases
- Hill AFB is ideal for performing this task by:
 - Having a vested interest in hazmat data
 - Being the beta site for EESOH-MIS
 - Utilizing existing contract employees experienced with ESOH data
 - Having available space and IT capabilities



Questions?



75TH AIR BASE WING

BE AMERICA'S BEST